

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A flexible screw type height control device, comprising: a housing; a servomotor mounted in the housing; a driving gear, which is rotated by the servomotor; a driven gear, which is provided with a spiral groove at a central portion thereof and is tooth-engaged with the driving gear; a flexible screw member, which passes axially through the spiral groove of the driven gear and moves linearly upward and downward by the servomotor; and a telescopic unit including a plurality of sliding members, which are slidably coupled to each other and cooperate with the flexible screw member.

2. (Original) The flexible screw type height control device of claim 1, wherein the flexible screw member is a coil spring.

3. (Original) The flexible screw type height control device of claim 1, wherein a first sliding member of the plurality of sliding members is slidably disposed in the housing, one end of the flexible screw member is extended outside the housing, and the other end of the flexible screw member is fixed to a last sliding member of the plurality of sliding members.

4. (Original) The flexible screw type height control device of claim 3, wherein each sliding member is formed as an open-ended pipe and a cross-sectional area of the sliding members decreases from the first sliding member to the last sliding member.

5. (Original) The flexible screw type height control device of claim 4, wherein the telescopic unit is received in the housing when the telescopic unit is in a completely retracted state.

6. (Original) The flexible screw type height control device of claim 4, wherein the cross-section of the pipe is shaped as a circle.

7. (Original) The flexible screw type height control device of claim 4, wherein the cross-section of the pipe is shaped as a polygon.

Claims 8–10. (Canceled).

11. (Original) The flexible screw type height control device of claim 1, further comprising rollers, which are mounted in the housing for guiding the movement of the flexible screw member.